



Area Description:

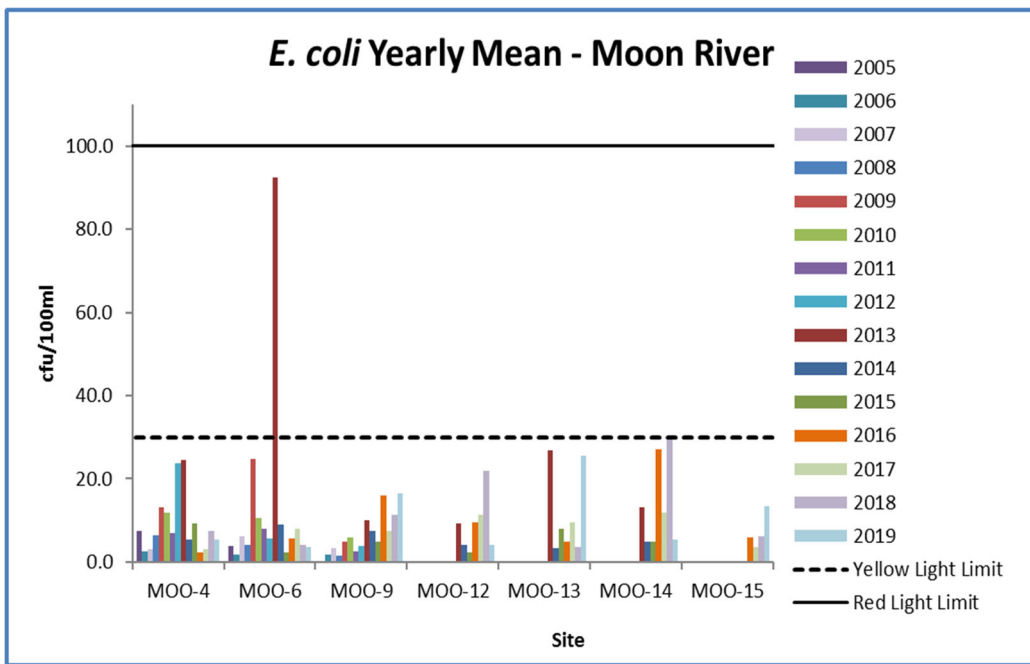
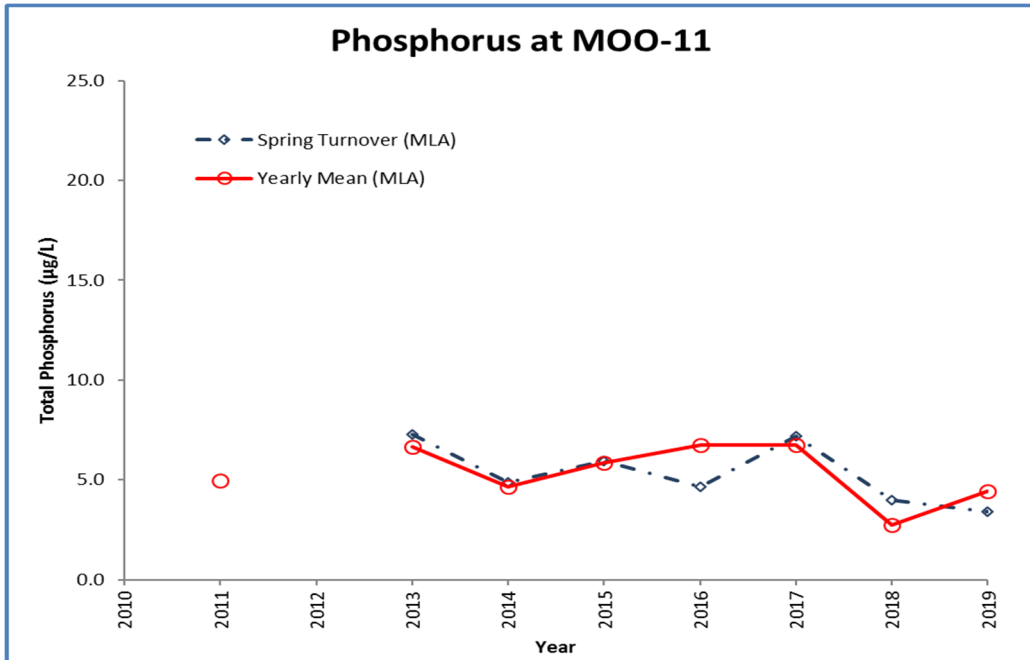
The Moon River is the main outlet of the Muskoka Watershed, flowing from Lake Muskoka to Georgian Bay. The river receives overland drainage from the Town of Bala and its urban area, including many roads and the developed shoreline. Approximately 12 creeks outlet into this sampling area, several of which drain wetlands. All stations shown may not be sampled each year.

Volunteer Recognition: Dawson Currie, Cathy Malcomson, Barrie Fisher, Hannu Ylanko, Cathy Brown, Dave MacIntosh and Mike Adamson.

Moon River (MOO)

2019 Water Quality Results: (Note: Hatched cell signifies not tested for in 2019)

Station	Mean Secchi Disk (m)	Total Phosphorus (µg/L)		E. coli Yearly Geometric Mean (cfu/100 ml)	Total Coliform Yearly Geometric Mean (cfu/100 ml)
		Spring Turnover	Yearly Mean		
MOO-1		3.3	3.7		
MOO-4		4.2	5.6	5.5	12.7
MOO-6		3.0	3.7	3.6	26.4
MOO-9		3.0	5.3	16.5	31.6
MOO-11	3.8	3.4	4.4		
MOO-12		4.2	5.7	4.0	31.3
MOO-13		4.1	6.0	25.5	54.8
MOO-14		3.3	3.6	5.5	20.8
MOO-15		8.8	6.7	13.4	28.0



Summary and Recommendations:



The spring phosphorus concentration at MOO-11 in 2019 was not obtained due to the severe flooding conditions this year. The yearly mean phosphorus at all of the Moon River stations in 2019 (see table above) are all historically low, but none of the stations recorded a spring phosphorus level, and the values are therefore expected to be lower. *E. coli* levels were all below the MLA stoplight limits (details in report Section 3) in 2019. Without spring phosphorus results, Beacon suggests that the classification of green stoplight be maintained for the Moon River in 2019. Secchi measurements vary through the sampling years between 3.0 and 4.0 m (2017, 2019). **Beacon recommends that all sampling be continued to monitor long-term trends.**